



U.S. Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave. SW
Washington, DC 20591

March 22, 2017

Mr. John Dixon
President/CEO
Elite Simulation Solutions
5700 Dot Com Court
Suite 1010
Oviedo, Florida 32765

Dear Mr. Dixon:

The Federal Aviation Administration (FAA) last qualified and approved your helicopter model TH-22/TH-22M as an Advanced Aviation Training Device (AATD) on February 5, 2015 in accordance with Title 14 Code of Federal Regulations (14 CFR) section (§) 61.4(c).

Review of the revised Qualification and Approval Guide (QAG) dated February 9, 2017 validates the current standards and criteria for approval. The Elite Simulation Solutions model TH-22/TH-22M helicopter AATD is approved for use in satisfying the following sections of parts 61 and 141:

Elite Simulation Solutions Model TH-22/TH-22M
Rotorcraft-Helicopter
Advanced Aviation Training Device (AATD)

- § 61.51(b)(3) – Logbook entries;
- § 61.51(h) – Logging training time;
- § 61.57(c) – Instrument experience;
- § 61.57(d)(1)(ii) – Instrument proficiency check, per the Instrument PTS/ACS;
- § 61.65(i) – Instrument rating up to 20 hours;
- § 61.129(i)(1)(ii) – Commercial Pilot Certificate: up to 25 hours;
- § 61.161(b)(2) – Airline Transport Pilot Certificate: up to 25 hours; and
- § 141.41(b) – Approved for use under the Part 141 Appendices as follows:
 - *Appendix C* – Up to 40% toward the total instrument flight training time requirements;
 - *Appendix D* – Up to 20% toward the total Commercial Pilot flight training time requirements;
 - *Appendix E* – Up to 25% toward the total Airline Transport Pilot flight training time requirements;
 - *Appendix F* – Up to 5% toward the total Flight Instructor flight training time requirements;

- *Appendix G* – Up to 5% toward the total Flight Instructor instrument flight training time requirements;
- *Appendix I* – Up to 3 hours toward the Private Pilot Helicopter Class Rating Course flight training time requirements;
- *Appendix I* – Up to 6 hours toward the Commercial Pilot Helicopter Class Rating Course flight training time requirements;
- *Appendix I* – Up to 6.25 hours toward the Airline Transport Pilot Course flight training time requirements; and
- *Appendix M* – Up to 25% toward the total Combined Private Pilot Helicopter Certification and Instrument Rating flight training time requirements.

Based on the on-site evaluation and the allowance provided by § 61.4, the Administrator has determined that the Elite Simulation Solutions model TH-22/TH-22M is approved to provide up to a maximum of 7.5 hours of the aeronautical experience requirements for the Private Pilot helicopter certificate specified in 14 CFR parts 61 and 141, applicable to the areas of operations and tasks specified in the helicopter practical test standards. An authorized instructor must provide the training appropriate to the category and class (Rotorcraft-Helicopter).

Note: Minimum training or experience requirements for cross country, night, solo, takeoffs and landings, and the 3 hours of training with an authorized instructor in preparation for the practical test within the preceding 2 calendar months from the month of the test must be accomplished in an aircraft. Additionally, no portion of a practical test can be accomplished in an AATD.

This approval is contingent upon the following conditions and limitations:

- 1) This AATD must maintain its performance and function without degradation. The minimum instrument requirements specified under § 91.205 for day visual flight rules (VFR) and instrument flight rules (IFR) must be functional during the training session;
- 2) Only the aircraft configurations that are in the approved QAG are utilized;
- 3) A copy of this letter of authorization (LOA) must be readily available in a location near the device when in use. Additionally, a copy must be provided to the person using the above credits for pilot certification or ratings;
- 4) When used for instructional purposes, only an appropriately qualified FAA-certificated flight instructor may make any subsequent endorsements and/or pilot logbook entries;
- 5) Any changes or modifications to this AATD which have not been individually reviewed, evaluated, and approved in writing by AFS-800 will terminate this LOA; and

- 6) The FAA reserves the right to withdraw this LOA at any time if the Administrator determines that this AATD has been used in a manner contrary to the conditions and limitations described within this LOA, FAA regulations, guidance, or safety.

This approval is valid for sixty (60) calendar months from the date of this letter. Any requests for a new LOA should be made in writing to AFS-800 at least 90 days in advance of expiration. AFS-800 may require a review of the QAG, an on-site evaluation, and a verification all of the requirements as described in the current publication of Advisory Circular 61-136, *FAA Approval of Aviation Training Devices and Their Use for Training and Experience* before a new LOA can be issued.

This approval expires on March 31, 2022.

The enclosed QAG is marked approved and a copy of this letter and approved materials are retained in our files.

Sincerely,

(for) James A. Viola
Manager, General Aviation and Commercial Division
Flight Standards Service

Enclosure